



## 潘亚峰

PhD in Psychological Science and Education

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## 工作经历

2019.10 – 今 瑞典卡罗林斯卡医学院 博士后研究员  
PI: Andreas Olsson 教授  
项目: Mechanisms of observational learning: Dual-brain investigations

## 教育背景

2017.09 – 2019.06 比利时布鲁塞尔自由大学 神经心理学 (双博士学位)  
导师: Philippe Peigneux 教授  
优秀毕业论文: Instructor-learner brain synchronization tracks interactive learning: Identification, modulation, and causation

2015.07 – 2015.08 北京大学 访问学生  
导师: 周晓林 教授  
项目: ERPs and oscillations during encoding predict retrieval of digit memory in superior mnemonists

2014.09 – 2019.06 华东师范大学 教育心理学 (硕博连读)  
导师: 胡谊 教授  
优秀毕业论文: 师生间脑同步追踪互动学习: 识别、调节和因果

2010.09 – 2014.06 浙江师范大学 应用心理学 (理学学士)  
导师: 李锋盈 副教授  
优秀毕业论文: 成就目标启动对学习时间分配的影响

## 重要获奖情况

- 博士研究生国家奖学金 (连续两年, 2016~2018)
- 华东师范大学智慧奖学金, 2014~2015
- 上海市优秀毕业生, 2019
- 华东师范大学优秀学生 (连续两年, 2016~2018)
- 华东师范大学心理与认知科学学院年度科研人物, 2018
- 华东师范大学心理与认知科学学院学术年会最佳海报奖, 2018

## 研究项目基金

- 中国留学基金委公派出国项目奖学金 (No. 201706140082), EUR 14,400 (2017~2018) 主持
- 华东师范大学优秀博士论文培育行动计划 (No. YB2016011), CNY 18,000 (2016~2019) 主持
- 国家自然科学基金面上项目 (No. 31872783) 主要参与人

## 论文发表

- **Pan, Y.**, Dikker, S., Goldstein, P., Zhu, Y., Yang, C., & Hu, Y. (2020). Instructor-learner brain coupling discriminates between instructional approaches and predicts learning. *NeuroImage*, 211, 116657.
- Hou, Y., Song, B., Hu, Y., **Pan, Y. (\*)**, & Hu, Y. (\*). (2020). The averaged inter-brain coherence between the audience and a violinist predicts the popularity of violin performance. *NeuroImage*, 211, 116655. \*共同通讯作者
- **Pan, Y.**, Borrágán, G., & Peigneux, P. (2019). Applications of functional near-infrared spectroscopy in fatigue, sleep deprivation, and social cognition. *Brain Topography*, 32, 998-1012.
- Cheng, X., **Pan, Y.**, Hu, Y., & Hu, Y. (2019). Coordination elicits synchronous brain activity between co-actors: Frequency ratio matters. *Frontiers in Neuroscience*, 13, 1071.
- Zhu, Y., **Pan, Y. (\*)**, & Hu, Y. (\*) (2019). Learning desire is predicted by similar neural processing of naturalistic educational materials. *eNeuro*, 6(5), 0083-19.2019. \*共同通讯作者
- **Pan, Y.**, Novembre, G., Song, B., Li, X., & Hu, Y. (2018). Interpersonal synchronization of inferior frontal cortices tracks social interactive learning of a song. *NeuroImage*, 183, 280-290.
- Hu, Y. (\*), **Pan, Y. (\*)**, Shi, X., Cai, Q., Li, X., & Cheng, X. (2018). Inter-brain synchrony and cooperation context in interactive decision making. *Biological Psychology*, 133, 54-62. \*共同通讯作者
- Zhang, Y., Meng, T., Hou, Y., **Pan, Y. (\*)**, & Hu, Y. (\*) (2018). Interpersonal brain synchronization associated with working alliance during psychological counseling. *Psychiatry Research: Neuroimaging*, 282, 103-109. \*共同通讯作者
- **Pan, Y.**, Cheng, X., Zhang, Z., Li, X., & Hu, Y. (2017). Cooperation in lovers: An fNIRS - based hyperscanning study. *Human Brain Mapping*, 38(2), 831-841.
- **Pan, Y.**, Li, X., Chen, X., Ku, Y., Dong, Y., Dou, Z., He, L., Hu, Y., Li, W., & Zhou, X. (2017). ERPs and oscillations during encoding predict retrieval of digit memory in superior mnemonists. *Brain and Cognition*, 117, 17-25.
- Hu, Y., Hu, Y., Li, X., **Pan, Y.**, & Cheng, X. (2017). Brain-to-brain synchronization across two persons predicts mutual prosociality. *Social Cognitive and Affective Neuroscience*, 12(12), 1835-1844.
- Ericsson, K. A., Cheng, X., **Pan, Y.**, Ku, Y., Ge, Y., & Hu, Y. (2017). Memory skills mediating superior memory in a world-class memorist. *Memory*, 1-9.
- Li, X., Cheng, X., Li, J., **Pan, Y.**, Hu, Y., & Ku, Y. (2015). Examination of mechanisms underlying enhanced memory performance in action video game players: A pilot study. *Frontiers in Psychology*, 6, 843.
- **潘亚峰**, 胡谊. (2018). 记忆术及其训练. 见吴庆麟, 胡谊(编). 当代中国心理科学文库·教育心理学(pp.19-38). 上海: 华东师范大学出版社.

## 会议报告

- **潘亚峰**, 宋蓓, 胡谊 (2019). 音乐教学活动中师生脑间同步特征研究. (大会特邀报告, 中国心理学会音乐心理学专业委员会第二届学术年会, 2019.9.20-22, 重庆北碚, 中国)
- **Pan, Y.**, Guyon, C., Borrágán, G., Hu, Y., & Peigneux, P. (2019). Interpersonal brain synchronization with instructor compensates for students' sleep deprivation. (Poster, OHBM Annual Meeting, 10-13 June 2019, Rome, Italy)
- **Pan, Y.**, Guyon, C., Borrágán, G., Hu, Y., & Peigneux, P. (2019). Interpersonal brain synchronization with instructor compensates for students' sleep deprivation. (Poster, Annual Meeting of the Belgian Association for Psychological Sciences, 14-15 May 2019, Liège, Belgium)
- Zhao, N., **Pan, Y.**, & Hu, Y. (2019). Interpersonal neural synchronization tracks real-world dynamically competitive interaction. (Poster, Cognitive Neuroscience Society, 26 March, San Francisco, USA)
- **Pan, Y.**, Hao, N., Liu, N., Li, X., Zhao, Y., Cheng, X., Ku, Y., & Hu, Y. (2018). Mnemonic training reorganizes neural dynamics to support superior memory in children. (Poster, Symposium "Windows on Brain Plasticity", 7 May 2018, Brussels, Belgium)
- **Pan, Y.**, Novembre, G., Song, P., Li, X., & Hu, Y. (2017). Interpersonal brain synchronization tracks social interactive learning. (Oral talk, 4th Annual Meeting of the French Community of Functional NIRS, 14 October 2017, Lille, France)

- Pan, Y. (2017). Interpersonal brain synchronization tracks social interactive learning of a music song. (Oral presentation, ULB-VUB joint PhD day, 7 November, Brussels, Belgium)
- Pan, Y. & Hu, Y. (2017). Inter-brain synchrony marks the acquisition of a song. (Oral talk, 2nd Symposium on Inter-Brain Cognition, 29 April 2017, Shanghai, China)
- Pan, Y., Hao, N., Liu, N., Li, X., Zhao, Y., Cheng, X., Ku, Y., & Hu, Y. (2016). Neural patterns during encoding as a source for the effectiveness of mnemonic training. Special issue of International Journal of Psychology, 51, 872-889. (Oral talk, 31<sup>st</sup> International Congress of Psychology, 24-29 July 2016, Yokohama, Japan)
- Pan, Y., & Hu, Y. (2016). Human cooperation through interpersonal brain synchronization: The role of empathy. (Oral talk, 1st Symposium on Inter-Brain Cognition, 2-3 July 2016, Shanghai, China)

## 审稿经历

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- Brain Structure and Function / Frontiers in Psychology / Frontiers in Human Neuroscience / Human Brain Mapping / Journal of Visualized Experiment / NeuroImage / Social Cognitive and Affective Neuroscience / The Neuroscientist / PLoS One

## 教学指导

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- 2020 – 今 与 Andreas Olsson 教授共同指导本科生 Andreas Henriksson, Anton Toftgard 和 Ludvig Smedstad 完成项目《Mechanisms of observational learning》
- 2019 – 今 与胡谊教授共同指导博士生研究项目《Elaborating feedback with examples promotes the transfer of learning via instructor-learner brain synchronization》(朱怡)
- 2019 – 今 与李先春教授共同指导硕士生研究项目《Modality threat mitigates interpersonal competition》(周霄宇)
- 2018 – 2019 与胡谊教授共同指导硕士毕业论文《Working alliance in the first psychological counseling: An interpersonal brain synchronization based study》(蒙恬)
- 2017 – 2019 与 Philippe Peigneux 教授共同指导硕士毕业论文《Statistical learning of regularities: An elementary association of stream segmentation using frequency-tagged responses》(Kalia Lofitou)
- 2017 – 2019 与胡谊教授共同指导硕士生研究项目《Interpersonal neural synchronization tracks real-world dynamically competitive interaction》(赵楠)
- 2017 – 2018 与胡谊教授共同指导硕士生研究项目《Learning desire is predicted by similar neural processing of naturalistic educational materials》(朱怡)
- 2017 – 2018 与 Philippe Peigneux 教授共同指导实习生《Sleep deprivation modulates instructor-learner brain coupling during interactive learning》(Camille Guyon)
- 2016 – 2017 与胡谊教授共同指导本科毕业论文《Inter-brain synchrony and cooperation context in interactive decision making》(史欣唯)
- 2014 – 2015 华东师范大学网络教育学院 论文指导老师

## 学术组织及受邀演讲

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- 2019 第三届脑际认知研讨会 (上海) 协助组织、工作坊主讲嘉宾
- 2017 第二届脑际认知研讨会 (上海) 协助组织、工作坊主讲嘉宾
- 2016 第一届脑际认知研讨会 (上海) 协助组织、博士生论坛主讲嘉宾

## 专利

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- 发明专利: 一种脑间同步的分析方法、装置及存储 (CN109522873A) 公示阶段

## 媒体

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- 科技日报 “华东师范大学近红外超扫描研究团队获新进展” (feature on Pan et al., 2020)
- 上海科技报 “在线教育的脑科学研究 华东师大近红外超扫描研究获新进展” (feature on Pan et al., 2020)
- Neuroscience News “Engaging educational videos elicit similar brain activity in students” (feature on Zhu, Pan, and Hu, 2019)
- 新民晚报 (头版, Chinese newspaper with an average daily circulation of 1,100,000 copies, 10 Oct. 2016) “Males are more romantically submissive to females in lovers” (feature on Pan et al., 2017)
- 人民网 (built by People’s Daily, one of the top ten newspapers in the world, 10 Oct. 2016) “Chinese researchers: lovers possess special ability to cooperate” (feature on Pan et al., 2017)
- 中国新闻网 (launched by the earliest Chinese media in Asia - China News Service, 9 Oct. 2016) “Better cooperation in lovers. Females play a leading role” (feature on Pan et al., 2017)
- 新华网 (Chinese major key news website, 9 Oct. 2016) “Scientists reveal better cooperation in lovers” (feature on Pan et al., 2017)

## 等级证书

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- 大学生英语六级 / 教师资格证 (心理学) / 国家计算机等级考试二级 / 普通话水平二甲 / 国家心理咨询师三级

## 推荐人

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Université Libre de Bruxelles, 50 avenue F.D. Roosevelt CP191, Brussels, Belgium, B-1050  
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- **Yi Hu (胡谊), Prof., Ph.D**  
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## 其他

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闲暇时间, 我喜欢听音乐、看电影、打羽毛球。我运营一个个人博客 <http://www.yfpanecnu.icoc.in/>, 我在博客上分享研究、技术方法及代码。